FTIR Spectrometer LX10IR

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Description

It is designed with 7800 cm-1 to 350 cm-1 spectral range with high S: N ratios of up to 20,000:1 and with anti-electromagnetic interference property, electromagnetic compatibility for protection from radiation. Equipped with Cube-corner Michelson interferometer, the highly sensitive optical system with collectively patented fixing mirror alignment tools. Standard Ethernet interface communication system and optional wireless WI-FI communication system.

Specifications

Spectral Range	7800 cm-1 to 350 cm-1
Resolution	0.85 cm-1
Wave number precision	± 0.01 cm-1
Scanning speed	Microprocessor control, different scanning speed selectable
Signal to Noise ratio	20,000:1(RMS value 2100-1 to 2000-1)
Beam Splitter	Ge coated KBr
Infrared Source	High intensity, long lasting, air- cooled IR source
Detector	DLATGS
Data System	Compatible computer
Interferometer	Cube-corner Michelson interferometer
Wave number Accuracy	± 0.01 cm-1
Communication	Ethernet interface
Status Diagnose	Power on self-check
Power Supply	AC 220 V ± 22 V, 50 Hz ± 1 Hz
Dimension	520 × 435 × 255 mm
Weight	24 kg

Features

- Microprocessor control scanning speed

- Offers gold coated reflecting mirrors to cover maximum light
- External isolated IR source module and large space heat dissipation chamber
- Digital filter and network communication technology
- Cube-corner Michelson interferometer
- Innovative DLATGS software detector for stable response

Applications

- Used in in the field of science research, quality control production, testing and detection in various field such as compounded plastics, blends, fillers, paints, rubbers etc.

Standard Accessories

- Transmission sample holder

Optional Accessories

- Gas cell
- Liquid cell
- Defused / spectral reflection
- Single / Multiple reflection ATR, etc.

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